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PERIODICALS

MONTANA OIL AND GAS STATISTICAL BULLETIN

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GEOLOGIST

OIL AND GAS CONSERVATION COMMISSION
SECURITIES BLDG.
HELENA, MONTANA

VOL. VII, No. 7 McKee Print. July, 1959

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1959, averaged 85,028 barrels daily, an increase of 2,717 barrels from the average June production of 82,311.

The ten refineries in the State processed 83,456 barrels of crude oil daily for the month of July, 1959, an increase of 7,094 barrels daily from the 76,362 barrels processed daily during the month of June, 1959.

During July, 25 wells were completed, 12 oil, 0 gas well and 13 dry holes.

During July, the Commission issued 40 permits to drill new wells, an increase of 3 from the 37 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF JULY, 1959

IN STORAGE JULY 1st:	
By Producers	376,081
By Transporters	627,475
By Refiners	812,606
TOTAL STORAGE	1,816,162
Produced in Montana During Month	2,635,882
Imported During Month	1,689,274
TOTALS	6,141,318
DISPOSITION:	
Refined in Montana	2,587,164
Exported	1,886,353
Used for Fuel or Lost	7,361
TOTAL	4,480,878
IN STORAGE JULY 31st:	
By Producers	376,250
By Transporters	611,825
By Refiners	672,365
TOTAL STORAGE	1,660,440

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1959

Field	M Cu. FT.
Bears Den	6,581
Big Coulee	38,262
Bowdoin	39,253
Bowes	14,146
Box Elder	0
Cabin Creek	80,023
Cedar Creek	133,078
Clarks Fork	44,569
Cut Bank (Including Reagan)	392,164
Devon	9,556
Dry Creek	78,703
Elk Basin	32,273
Flat Coulee	6,762
Golden Dome	1,437
Hardin	3,132
Keith Block	977
Kevin Sunburst	38,898
Pine	77,334
Plevna	18,133
Utopia	109,175
Whitlash	14,569
Miscellaneous	121,372
TOTAL	1,260,397

Total Withdrawals for July, 1958 were 1,251,381 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF JULY, 1959

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	1,230	2,643	.....	3,469	.....	404
5	Bannatyne	10	2,648	3,269	.....	3,060	.....	2,857
....	Belfry	....	45	.....	.....	.....	.....	45
9	Big Wall	24	3,874	15,796	.....	16,455	.....	3,215
12	Blackfoot	15	4,184	9,440	.....	10,345	4	3,275
2	Border	2	.....	376	.....	376	.....	.....
20	Bowes	82	4,766	27,777	28,190	.....	.....	4,353
1	Bredette	1	1,297	599	.....	.....	.....	1,896
4	North Bredette	4	3,716	8,253	8,100	.....	.....	3,869
3	Brorson	3	2,245	4,966	4,174	.....	.....	3,037
....	Bynum	....	255	.....	.....	224	31	.....
2	Cabin Creek	93	7,088	370,139	369,152	.....	.....	8,075
31	Cat Creek	92	5,232	18,417	9,536	10,184	.....	3,929
1	Clark's Fork	1	1,088	.....	.....	649	.....	439
3	Clark's Fork North	5	1,589	18,896	.....	17,554	.....	2,931
2	Cupton	2	1,195	743	1,623	.....	.....	315
357	Cut Bank	1,139	125,442	172,518	173,547	.....	34	124,379
3	Deer Creek	6	2,392	22,178	22,173	.....	.....	2,397
3	Delphia	3	1,017	4,332	.....	4,252	70	1,027
1	Devil's Basin	1	1,196	60	.....	.....	.....	1,256
5	Dry Creek	6	1,439	4,092	4,663	.....	.....	868
20	Elk Basin	57	6,577	399,508	401,524	.....	.....	4,561
1	Fertile Prairie	2	1,046	626	958	.....	.....	714
2	Frannie	2	886	2,353	2,954	.....	.....	285
2	Gage	2	974	2,256	.....	2,145	59	1,026
4	Gas City	12	3,646	17,829	18,263	.....	.....	3,212
6	Glendive	12	5,047	42,821	43,401	.....	.....	4,467
3	Gypsy Basin	3	1,223	708	.....	911	.....	1,020
2	Hawk Creek	2	923	808	.....	762	.....	969
5	Ivanhoe	13	4,085	19,794	.....	18,699	.....	5,180
198	Kevin-Sunburst	1,424	17,545	100,195	100,607	.....	81	17,052
2	Line Coulee	2	1,611	1,212	650	.....	.....	2,173
1	Little Beaver	7	2,341	16,301	13,764	.....	.....	4,878
5	East Little Beaver	6	1,834	6,059	5,640	.....	.....	2,253
5	Melstone	9	1,971	6,462	.....	5,648	.....	2,785
3	Monarch	3	1,592	7,894	8,865	.....	.....	621
3	Mosser	5	454	536	.....	695	.....	295
10	Outlook Area	14	13,316	60,034	56,315	.....	.....	17,035
10	Pennel	21	6,737	46,190	47,280	.....	.....	5,647
6	Pine	136	17,817	404,499	406,242	.....	292	15,782
80	Pondera	332	9,595	44,953	47,228	.....	.....	7,320
9	East Poplar	100	23,052	290,975	287,812	.....	68	26,147
3	Northwest Poplar	4	1,596	2,329	2,713	.....	.....	1,212
4	Ragged Point	9	2,931	17,391	.....	17,712	.....	2,610
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	44	2,226	18,304	18,079	.....	.....	2,451
6	Red Creek	13	4,442	15,841	.....	17,217	.....	3,066
1	Redstone	1	678	408	679	.....	.....	407
1	Repeat	1	439	3,491	3,557	.....	.....	373
7	Richey	12	4,700	17,253	15,955	.....	.....	5,998
2	Sand Creek	2	1,905	14,073	14,585	.....	.....	1,393
2	Snyder	4	582	2,242	.....	2,261	.....	563
3	Soap Creek	12	2,911	4,618	.....	4,527	.....	3,002
1	Southwest Richey	2	1,548	2,519	2,877	.....	.....	1,190
4	Stensvad	12	11,690	105,515	106,226	.....	40	10,939
23	Sumatra	78	18,437	192,007	191,485	.....	.....	18,959
3	Sweetgrass Hills	3	869	423	.....	403	.....	889
10	Whitlash	36	16,706	3,302	2,242	1,163	392	16,211
6	Wills Creek	10	3,520	33,880	29,041	.....	.....	8,359
9	Wolf Springs	19	4,819	43,422	43,065	.....	.....	5,176
2	Woodrow	2	1,105	2,357	2,766	.....	.....	696
....	Yellowstone	....	651	.....	.....	.....	.....	651
933		3,921	376,081	2,635,882	2,495,931	138,711	1,071	376,250

Total Oil Produced and Shipped From Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1958	27,958,649	76,593	27,878,576	76,379
First Quarter, 1959	7,287,446	80,971	7,258,943	80,654
Second Quarter, 1959	7,262,121	79,803	7,245,821	79,624
July, 1959	2,635,882	85,028	2,634,642	84,988

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1958	342,798	707,901	518,033	1,568,732
March, 1959	368,699	661,262	562,586	1,592,547
June, 1959	376,081	627,475	812,606	1,816,162
July, 1959	376,250	611,825	672,365	1,660,440

*Includes Wyoming Oil

TRANSPORTERS REPORT

MONTH OF JULY, 1959

	Storage First Of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,469				3,469		
BANNATYNE—Truck			3,060			3,060			
BIG WALL—Truck			16,455				16,455		
BLACKFOOT—Union Oil Co.			10,345			10,345			
BORDER—Truck			376			376			
BOWES—									
Trigood Oil Co.	2,886	4,227			139	4,093			2,881
The Texas Co.		23,963				23,963			
	2,886	28,190			139	28,056			2,881
BRORSON—Sun Oil Company		4,174					4,174		
BYNUM—Truck			224			224			
CABIN CREEK & OTHERS*—									
Butte Pipe Line Co.	306,278	866,516		481,853			1,363,427		291,220
Shell Pipe Line Corp.	2,129	89,446			(29)			88,793	2,811
	308,407	955,962		481,853	(29)		1,363,427	88,793	294,031
CAT CREEK—									
Continental Pipe Line Co.	4,502	9,536			(848)	11,112			3,774
Truck			10,184			10,184			
	4,502	9,536	10,184		(848)	21,296			3,774
CLARK'S FORK—Truck			18,203				18,203		
CUT BANK—									
Big West Oil Co.		1,004		17,310		18,314			
Darling Gathering System, Inc.	1,338	5,045						3,406	2,977
Phillips Petroleum Co.	41,406	51,406		12,801	(482)	53,329		12,801	39,965
Texas Pipe Line Co.	36,569	31,104		17,523	33	23,868		30,600	30,695
Toronto Pipe Line Co.	27,286	42,514			(154)			40,922	29,032
Union Oil Co.	116,935	53,228		30,736	(199)	95,785			105,313
	223,534	184,301		78,370	(802)	191,296		87,729	207,982
DELPHIA—Truck			4,252			4,252			
DRY CREEK—Ohio Oil Co.	10,152	4,842			(113)	6,762			8,345
ELK BASIN—Ohio Oil Co.		401,524					401,524		
FRANNIE—Ohio Oil Co.		2,954					2,954		
GAGE—Truck			2,145			2,145			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	5,623	81,952			38		22,836	59,005	5,706
GYPSY BASIN—Truck			911			911			
HAWK CREEK—Truck			762			762			
IVANHOE—Truck			18,699			853	17,846		
KEVIN-SUNBURST—									
Big West Oil Co.	2,166	41,738				41,743			2,161
Homestake Oil & Gas Co.	903	2,966		3,406				6,281	994
The Texas Pipe Line Co.	4,077	33,376			30	33,346			4,077
	7,146	78,080		3,406	30	75,089		6,281	7,232
MELSTONE—Truck			5,648			5,648			
MOSSER—Truck			695				695		
PONDERA—Phillips Petr. Co.	18,429	51,567			302	56,093			13,601
POPLAR, BREDETTE, OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	9,514	337,621			784			†321,996	24,355
RAGGED POINT—Truck			17,712			17,712			
REAGAN—Union Oil Co.		18,079				18,079			
RED CREEK—Truck			17,217			8,913	8,304		
SNYDER—Truck			2,261				2,261		
SOAP CREEK—Truck			4,527				4,527		
SUMATRA & STENSVAD —									
Powder River Pipe Line Inc.	21,705	296,180			(1,486)	264,821	19,678		34,872
SWEETGRASS HILLS—Truck			403			403			
WHITLASH—									
Homestake Oil & Gas Co.				2,025		2,025			
Western Natural Gas Co.	1,621	2,242						1,850	2,013
Truck			1,163			1,163			
	1,621	2,242	1,163	2,025		3,188		1,850	2,013
WOLF SPRINGS—									
Powder River Pipe Line Co.	13,956	43,039			(149)	50,111			7,033
TOTALS	627,475	2,500,253	138,711	565,654	(2,134)	770,395	1,886,353	565,654	611,825

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JULY, 1959

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,465	5,465
Border	566	.....	.....	.....	.....	.....	.....	.....	.....	.....	566
Bowes	.....	.....	.....	25,340	.....	.....	.....	.....	.....	.....	25,340
Cat Creek	.....	.....	7,352	.....	2,398	4,563	.....	.....	.....	.....	14,313
Clark's Fork	.....	.....	.....	.....	159	.....	.....	.....	.....	.....	159
Cut Bank	24,960	.....	.....	.....	.....	.....	53,293	39,018	.....	86,295	203,566
[redacted]phia	.....	.....	.....	.....	.....	3,666	.....	.....	.....	.....	3,666
Dry Creek	.....	.....	.....	.....	3,622	.....	.....	.....	.....	.....	3,622
Elk Basin	.....	205,710	92,625	.....	.....	.....	.....	.....	.....	.....	298,335
Gage	.....	.....	.....	.....	.....	154	.....	.....	.....	.....	154
Ivanhoe	.....	.....	.....	.....	.....	2,117	.....	.....	.....	.....	2,117
Kevin-Sunburst	48,675	.....	.....	.....	.....	.....	.....	80,378	.....	.....	129,053
Melstone	.....	.....	.....	.....	6,876	.....	.....	.....	.....	.....	6,876
Pondera	.....	.....	.....	.....	.....	.....	53,601	.....	.....	.....	53,601
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,079	18,079
Red Creek	.....	8,132	.....	.....	.....	.....	.....	.....	.....	.....	8,132
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	4,534	.....	4,534
Sumatra	.....	196,677	.....	.....	100,593	.....	.....	.....	.....	.....	297,270
Sweetgrass Hills	745	.....	.....	.....	.....	.....	.....	.....	.....	.....	745
Whitlash	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,213	1,213
Wolf Springs	.....	52,652	.....	.....	.....	.....	.....	.....	.....	.....	52,652
Total Montana Oil	74,946	463,171	99,977	25,340	113,648	10,500	106,894	119,396	4,534	111,052	1,129,458
[redacted]adian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	.....	539	539
Wyoming Oil Imported	.....	746,294	207,255	.....	503,618	.....	.....	.....	.....	.....	1,457,167
TOTAL Mont., Canadian and Wyoming Oil	74,946	1,209,465	307,232	25,340	617,266	10,500	106,894	119,396	4,534	111,591	2,587,164

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1958	25,108	32	38,599	63,739
July, 1958	22,535	....	44,187	66,722
July, 1959	36,434	17	47,005	83,456

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.39%	.05%	60.56%
33.77%	....	66.23%
43.65%	.03%	56.32%